

REMARKS

In the Office Action dated April 6, 2005, the Examiner objected to various informalities in claims 7 and 14. The Examiner further rejected claims 1, 2 and 5 as allegedly reciting a feature that has insufficient antecedent basis in the claims. The Examiner additionally rejected claims 1, 2, 7, 22, 23, 26, 27 and 29 under 35 U.S.C. §103(a) as allegedly being unpatentable over U.S. Patent Application Publication No. US 2001/0012290 (hereinafter "KANAZASHI"). Claims 3 and 24 were further rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over KANAZASHI in view of U.S. Patent No. 5,220,325 (hereinafter "ACKLAND"). Claims 6 and 28 were additionally rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over KANAZASHI in view of Reissued U.S. Patent No. Re 33,900 (hereinafter "HOWSON"). Applicant notes with appreciation the Examiner's indication of allowable subject matter in claims 4 and 25, and allowance of claims 8-21.

Applicant hereby amends claim 1 and 7 to improve form and to substantially incorporate the subject matter of claim 4, which the Examiner has indicated as being allowable. Claim 29 has further been amended to incorporate the subject matter of claim 4. Claim 22 has been amended to substantially incorporate the subject matter of claim 25, which the Examiner has indicated as being allowable. Claim 14 has been amended to improve form. Claims 4 and 25 have been canceled without prejudice or disclaimer. New claims 30-33 have been added. No new matter has been added by way of the present amendment. Reconsideration of the outstanding rejections of pending claims 1-3, 5-24 and 26-29 is respectfully requested in view of the amendments above and the following remarks.

In paragraph 1, the Office Action objects to claims 7 and 14 as containing various informalities. Applicant has amended claim 7 to change "stored" to "store" as suggested by the Examiner. Applicant has further amended claim 14 to change "the second data path" to "a second data path" as suggested by the Examiner. In view of the above amendments, Applicant requests that the objection to claims 7 and 14 be withdrawn.

In paragraph 2, the Office Action rejects claims 1, 2 and 5 under 35 U.S.C. §112, second paragraph, as being indefinite. Specifically, the Office Action asserts that the feature "Q packets" lacks sufficient antecedent basis in the claims. Applicant has amended claim 1 to correct a typographical error by changing "N" to "Q" in the preamble of the claim. In view of this amendment, Applicant requests that the rejection of claims 1, 2 and 5 under 35 U.S.C. §112, second paragraph, be withdrawn.

In paragraph 6, the Office Action rejects 1, 2, 7, 22, 23, 26, 27 and 29 under 35 U.S.C. §103(a) as allegedly being unpatentable over KANAZASHI. Applicant has amended claims 1, 7 and 29 to incorporate the subject matter of claim 4, which the Examiner has indicated as being allowable. Applicant has further amended claim 22 to incorporate the subject matter of claim 25, which the Examiner has indicated as being allowable. Claims 1, 7, 22 and 29, therefore, should now be in condition for allowance. Claims 2 and 23, 26 and 27, which depend from claims 1 and 22, respectively, should also now be in condition for allowance. In view of the amendments to claims 1, 7, 22 and 29, withdrawal of the rejection under 35 U.S.C. §103(a) is requested.

In paragraph 8, the Office Action rejects claims 3 and 24 under 35 U.S.C. §103(a) as allegedly being unpatentable over KANAZASHI in view of ACKLAND. Claims 3 and 24,

which depend from claims 1 and 22, respectively, should be in condition for allowance for at least the reasons set forth above with respect to claims 1 and 22. Withdrawal of this rejection is, therefore, respectfully requested.

In paragraph 9, the Office Action rejects claims 6 and 28 under 35 U.S.C. §103(a) as allegedly being unpatentable over KANAZASHI in view of HOWSON. Claims 6 and 28, which depend from claims 1 and 22, respectively, should be in condition for allowance for at least the reasons set forth above with respect to claims 1 and 22. Withdrawal of this rejection is, therefore, respectfully requested.

New claims 30-33 recites combinations of features not suggested or disclosed by the references of record. For example, claim 30 recites a method that includes “receiving multiple data units during a first processing cycle on a first data path, wherein each of the data units comprises segments, the segments comprising a start segment, one or more data segments and an end segment,” “storing each of the multiple data units in a queue,” “shifting first multiple segments from at least one of the multiple data units into a shift register,” “selectively retrieving segments from the shift register until an end segment is retrieved,” and sending the retrieved segments on a second data path during the first processing cycle. Applicant submits that KANAZASHI, ACKLAND, and HOWSON, either singly or in combination, do not suggest or disclose this combination of features.

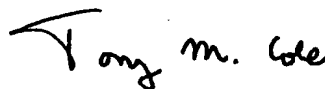
Additionally, new claim 33 recites a method that includes receiving multiple data units during a first processing cycle on a first path, wherein each of the multiple data units comprises segments, the segments comprising a start segment, one or more data segments, and an end segment, storing the multiple data units, successively analyzing each

segment of at least a portion of the stored data units to identify one or more end segments, and sending each data unit of the multiple data units that corresponds to one of the identified one or more end segments on a second path during the first processing cycle. Applicant submits that KANAZASHI, ACKLAND, and HOWSON, either singly or in combination, do not suggest or disclose this combination of features.

In view of the foregoing amendments and remarks, Applicant respectfully requests the Examiner's reconsideration of this application, and the timely allowance of the pending claims. If any questions remain, the Examiner is invited to contact the undersigned at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 CFR § 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 50-1070 and please credit any excess fees to such deposit account.

Respectfully submitted,



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